



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL24M40.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11994851.01P7
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 10/17/2017
 [LUMCAT] LFL24M40
 [LUMINAIRE] 2x4 White formed steel housing, frosted plastic lens enclosure
 [LAMP] 512 white LEDs
 [BALLAST] One Osram OTi 85/120-277/2A3 DIM-1 L driver
 [OTHER] 25.2 C, 119.97 V, 0.2902 A, 58.876 W, 0.99714 PF, 59.9981 H
 [OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
 [MANUFAC] LAMAR LIGHTING CO., INC.
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6459
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	58.876
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.83 ft
Luminous Width (90-270)	3.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3270	3244	3224
55	3087	3055	3031
65	2830	2800	2773
75	2397	2377	2356
85	1521	1569	1604

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2433.718	2433.718	2433.718	2433.718	2433.718
0.5	2433.718	2433.718	2433.718	2435.403	2435.403
1.0	2433.718	2432.032	2433.718	2433.718	2435.403
1.5	2432.032	2432.032	2433.718	2433.718	2435.403
2.0	2430.347	2432.032	2432.032	2432.032	2433.718
2.5	2430.347	2430.347	2430.347	2432.032	2432.032
3.0	2428.661	2428.661	2428.661	2430.347	2430.347
3.5	2426.976	2426.976	2426.976	2426.976	2428.661
4.0	2423.605	2425.291	2425.291	2425.291	2426.976
4.5	2421.920	2421.920	2423.605	2423.605	2423.605
5.0	2418.549	2418.549	2420.234	2420.234	2421.920
5.5	2416.864	2416.864	2416.864	2416.864	2418.549
6.0	2413.493	2413.493	2413.493	2413.493	2415.178
6.5	2410.122	2410.122	2410.122	2410.122	2410.122
7.0	2406.751	2405.066	2406.751	2406.751	2406.751
7.5	2401.695	2401.695	2401.695	2401.695	2401.695
8.0	2396.639	2396.639	2398.324	2396.639	2398.324
8.5	2393.268	2393.268	2393.268	2391.583	2393.268
9.0	2388.212	2388.212	2388.212	2386.526	2388.212
9.5	2383.156	2383.156	2383.156	2381.470	2383.156
10.0	2378.099	2376.414	2376.414	2376.414	2376.414
10.5	2371.358	2371.358	2371.358	2371.358	2371.358
11.0	2366.302	2364.616	2364.616	2364.616	2364.616
11.5	2359.560	2359.560	2357.875	2357.875	2357.875
12.0	2352.818	2352.818	2351.133	2351.133	2351.133
12.5	2346.077	2346.077	2344.391	2344.391	2344.391
13.0	2339.335	2339.335	2337.650	2337.650	2337.650
13.5	2332.594	2330.908	2329.223	2329.223	2329.223
14.0	2324.167	2324.167	2322.481	2320.796	2322.481
14.5	2317.425	2315.740	2314.054	2314.054	2314.054
15.0	2308.998	2307.313	2307.313	2305.627	2305.627
15.5	2300.571	2298.886	2298.886	2297.200	2297.200
16.0	2292.144	2290.459	2288.773	2287.088	2287.088
16.5	2283.717	2282.032	2280.346	2278.661	2278.661
17.0	2273.605	2273.605	2271.919	2268.548	2268.548
17.5	2265.178	2263.492	2261.807	2260.121	2258.436
18.0	2255.065	2253.380	2251.694	2250.009	2250.009
18.5	2244.953	2244.953	2243.267	2239.897	2238.211
19.0	2234.840	2234.840	2233.155	2229.784	2228.099
19.5	2224.728	2224.728	2223.043	2217.986	2217.986
20.0	2214.616	2212.930	2211.245	2207.874	2207.874
20.5	2202.818	2202.818	2201.132	2196.076	2196.076
21.0	2192.705	2191.020	2189.335	2185.964	2184.278
21.5	2180.908	2180.908	2177.537	2174.166	2174.166
22.0	2170.795	2169.110	2165.739	2162.368	2162.368
22.5	2158.997	2157.312	2153.941	2150.570	2150.570
23.0	2147.200	2145.514	2142.143	2138.773	2137.087
23.5	2135.402	2133.716	2130.346	2126.975	2125.289
24.0	2123.604	2121.919	2118.548	2115.177	2113.492
24.5	2111.806	2110.121	2106.750	2101.694	2100.008
25.0	2098.323	2096.638	2093.267	2088.211	2088.211
25.5	2086.525	2084.840	2081.469	2076.413	2074.727
26.0	2074.727	2071.357	2067.986	2062.930	2062.930
26.5	2061.244	2059.559	2056.188	2051.132	2049.446

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27.0	2047.761	2047.761	2042.705	2037.649	2035.963
27.5	2035.963	2034.278	2030.907	2024.165	2022.480
28.0	2022.480	2020.795	2017.424	2010.682	2008.997
28.5	2008.997	2007.311	2003.941	1997.199	1995.514
29.0	1993.828	1993.828	1990.457	1983.716	1982.030
29.5	1980.345	1980.345	1976.974	1970.233	1968.547
30.0	1966.862	1966.862	1961.806	1956.749	1955.064
30.5	1953.379	1953.379	1948.322	1941.581	1939.895
31.0	1939.895	1939.895	1934.839	1928.098	1926.412
31.5	1926.412	1926.412	1921.356	1914.614	1912.929
32.0	1912.929	1911.244	1906.187	1899.446	1897.760
32.5	1899.446	1897.760	1891.019	1885.963	1884.277
33.0	1884.277	1884.277	1877.536	1870.794	1869.109
33.5	1870.794	1869.109	1862.367	1855.625	1855.625
34.0	1857.311	1853.940	1848.884	1842.142	1840.457
34.5	1843.828	1840.457	1833.715	1826.974	1825.288
35.0	1830.344	1825.288	1820.232	1811.805	1810.120
35.5	1815.176	1810.120	1805.063	1796.636	1794.951
36.0	1800.007	1796.636	1789.895	1783.153	1779.782
36.5	1786.524	1781.468	1774.726	1766.299	1764.614
37.0	1771.355	1766.299	1759.558	1751.131	1751.131
37.5	1754.501	1751.131	1744.389	1735.962	1734.277
38.0	1739.333	1735.962	1729.220	1720.793	1719.108
38.5	1724.164	1720.793	1714.052	1703.939	1702.254
39.0	1708.996	1703.939	1697.198	1688.771	1687.085
39.5	1692.142	1688.771	1682.366	1672.760	1671.074
40.0	1675.456	1672.928	1665.681	1656.580	1655.063
40.5	1659.108	1656.748	1649.164	1640.231	1638.883
41.0	1642.085	1640.737	1632.816	1623.883	1622.535
41.5	1625.568	1624.389	1616.299	1607.703	1606.186
42.0	1609.388	1607.872	1599.950	1591.186	1589.669
42.5	1592.872	1591.523	1583.265	1574.501	1572.984
43.0	1576.355	1574.669	1566.579	1557.815	1556.298
43.5	1560.006	1557.647	1549.557	1540.961	1539.613
44.0	1543.658	1540.624	1532.703	1524.107	1522.759
44.5	1527.141	1523.433	1515.343	1507.253	1506.073
45.0	1510.624	1506.411	1498.489	1490.231	1489.219
45.5	1494.107	1489.219	1481.467	1473.377	1471.523
46.0	1477.253	1472.028	1464.781	1456.017	1454.332
46.5	1460.399	1454.669	1447.422	1438.826	1436.635
47.0	1443.377	1437.309	1430.062	1421.298	1419.444
47.5	1426.017	1419.950	1412.871	1403.601	1402.084
48.0	1408.657	1402.421	1395.343	1386.242	1384.556
48.5	1391.298	1385.062	1377.646	1368.545	1366.859
49.0	1373.095	1367.365	1360.286	1350.680	1348.826
49.5	1354.893	1350.005	1342.758	1332.983	1330.792
50.0	1337.028	1332.309	1325.061	1315.118	1313.264
50.5	1318.994	1314.612	1307.533	1297.927	1296.241
51.0	1300.792	1297.589	1289.837	1280.061	1278.376
51.5	1282.926	1279.724	1271.803	1262.196	1260.679
52.0	1264.556	1261.859	1253.263	1244.331	1242.814
52.5	1246.353	1243.825	1235.398	1226.466	1225.286
53.0	1228.151	1225.960	1217.196	1208.600	1207.083
53.5	1210.117	1207.926	1199.162	1190.735	1189.218
54.0	1192.421	1189.387	1181.128	1172.701	1171.353
54.5	1174.724	1171.016	1162.926	1154.836	1153.488

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55.0	1156.859	1152.645	1144.724	1136.634	1135.791
55.5	1138.825	1134.443	1126.353	1118.600	1117.589
56.0	1120.960	1116.072	1108.319	1100.566	1099.386
56.5	1103.094	1097.701	1090.117	1082.532	1081.016
57.0	1084.892	1079.162	1072.083	1064.162	1062.813
57.5	1066.858	1060.959	1054.049	1045.791	1044.611
58.0	1048.824	1042.588	1035.847	1027.251	1025.903
58.5	1030.622	1023.881	1017.476	1008.880	1007.532
59.0	1011.409	1005.341	998.768	990.173	989.161
59.5	992.026	986.970	980.060	971.802	970.790
60.0	972.813	968.599	961.521	953.094	952.420
60.5	953.599	950.060	942.981	934.386	933.543
61.0	934.217	931.352	924.442	915.678	914.835
61.5	915.004	912.644	905.903	896.970	896.296
62.0	895.959	894.105	886.857	878.262	877.925
62.5	876.914	875.228	867.812	859.385	859.385
63.0	857.869	856.015	848.936	841.015	840.678
63.5	837.981	836.970	829.722	822.475	821.970
64.0	818.767	817.925	810.846	803.599	803.262
64.5	799.722	798.880	791.969	785.059	784.554
65.0	781.351	779.835	773.093	766.351	765.677
65.5	762.812	760.790	754.217	747.643	747.138
66.0	744.441	741.745	735.340	728.936	728.767
66.5	726.239	722.700	716.295	710.396	710.228
67.0	707.868	703.823	697.756	691.857	691.520
67.5	689.160	684.947	679.048	673.317	672.812
68.0	670.284	665.902	660.677	654.946	654.441
68.5	651.407	647.194	642.306	636.239	635.733
69.0	632.868	628.654	623.767	617.531	617.362
69.5	614.328	610.115	605.059	599.160	598.991
70.0	595.283	591.407	586.351	580.620	580.789
70.5	575.733	572.867	567.811	561.912	562.249
71.0	556.351	554.160	549.272	543.542	543.542
71.5	537.137	535.620	530.901	525.339	525.002
72.0	517.755	516.912	512.362	506.800	506.631
72.5	498.710	498.373	493.654	488.260	488.597
73.0	479.833	479.833	475.114	470.058	470.395
73.5	460.788	461.463	456.743	451.856	452.024
74.0	442.080	443.092	438.373	433.822	434.159
74.5	423.541	424.552	420.002	416.125	416.294
75.0	405.339	406.350	401.968	398.260	398.429
75.5	387.305	387.979	384.440	380.563	380.732
76.0	369.608	369.777	366.743	363.035	363.204
76.5	351.912	352.080	349.046	345.676	345.844
77.0	334.383	334.215	331.350	328.484	328.653
77.5	317.361	316.687	314.159	311.630	311.630
78.0	300.001	299.159	297.136	294.608	294.776
78.5	282.642	281.799	280.619	278.091	278.260
79.0	265.788	264.945	264.271	261.743	261.574
79.5	249.102	248.091	247.417	245.731	245.900
80.0	232.922	231.743	231.574	229.720	229.889
80.5	216.574	215.731	215.900	214.046	214.551
81.0	200.731	200.226	200.563	198.877	199.383
81.5	184.888	185.057	185.394	184.046	184.551
82.0	169.551	170.225	170.731	169.551	170.225
82.5	154.551	155.394	156.237	155.394	156.068

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CANDELA TABULATION - (Cont.)

83.0	139.888	141.405	141.911	141.911	142.585
83.5	126.068	127.585	128.259	128.427	129.270
84.0	112.585	114.270	114.944	115.450	116.124
84.5	99.102	101.461	101.967	102.809	103.652
85.0	86.630	88.652	89.326	90.675	91.349
85.5	74.495	76.686	77.191	78.877	79.719
86.0	62.865	64.888	65.562	67.247	68.427
86.5	51.742	53.427	54.270	56.124	57.304
87.0	41.461	42.641	43.652	45.506	46.686
87.5	31.854	32.697	33.539	35.225	36.405
88.0	23.090	23.596	24.270	25.955	27.135
88.5	15.337	15.506	16.180	17.528	18.539
89.0	8.764	8.764	9.607	10.618	11.629
89.5	4.214	4.045	4.719	5.562	6.236
90.0	1.854	1.854	2.360	2.528	2.865
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL24M40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	879.73	N.A.	13.60
0-30	1844.03	N.A.	28.50
0-40	2981.83	N.A.	46.20
0-60	5161.17	N.A.	79.90
0-80	6352.89	N.A.	98.40
0-90	6458.92	N.A.	100.00
10-90	6229.28	N.A.	96.40
20-40	2102.1	N.A.	32.50
20-50	3257.95	N.A.	50.40
40-70	2944.71	N.A.	45.60
60-80	1191.71	N.A.	18.50
70-80	426.35	N.A.	6.60
80-90	106.03	N.A.	1.60
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.06	N.A.	0.00
90-180	0.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6458.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.63
10-20	650.10
20-30	964.30
30-40	1137.79
40-50	1155.85
50-60	1023.49
60-70	765.37
70-80	426.35
80-90	106.03
90-100	0.06
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

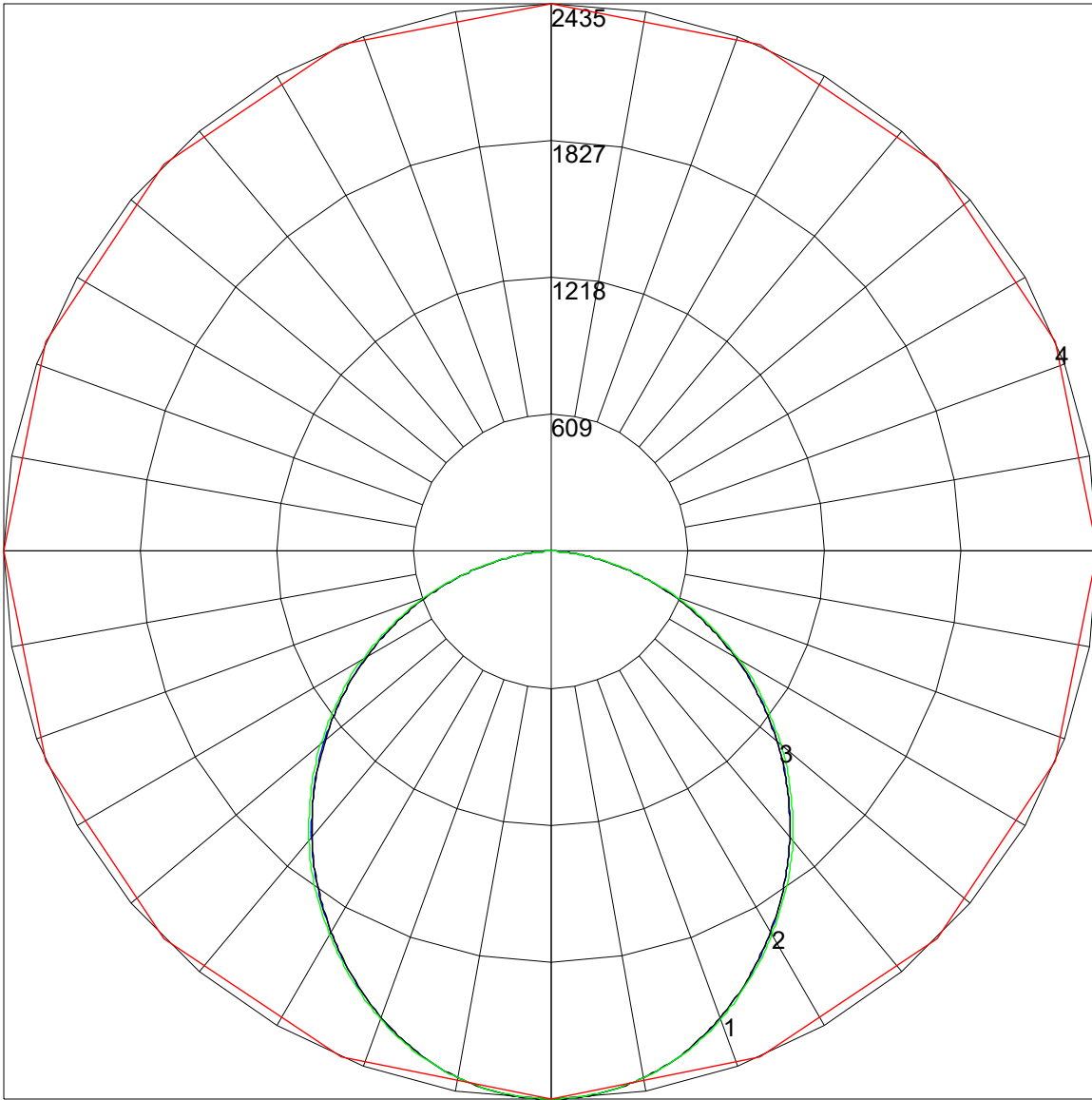
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 2435.403 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)